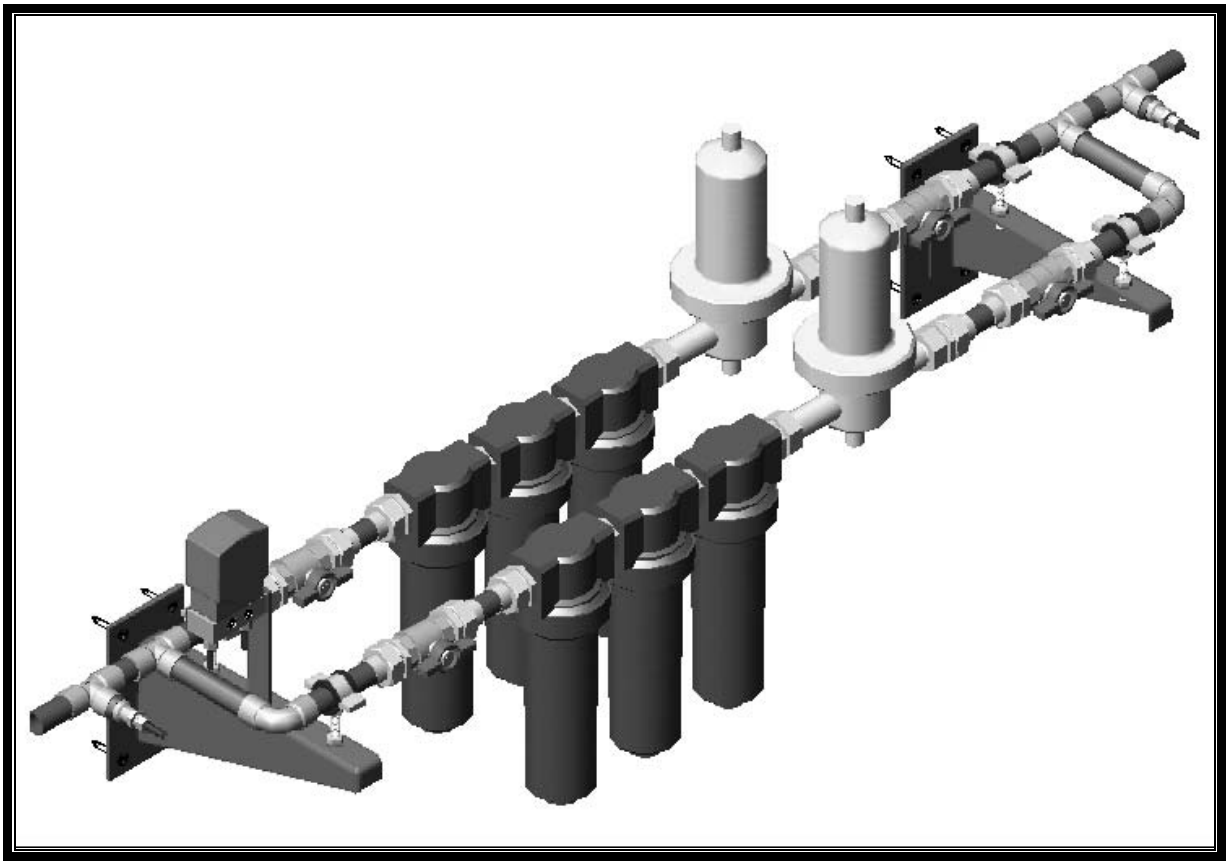
nassetti

FLZN

Filtering Chain



Planning and Installation Instructions

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1. Notes On These Instructions

The preparatory measures described here ensure the planning of the main requirements for the installation and safe operation of filtering chains.

- Our rights for making any technical modifications in order to improve the product are reserved.
- Please read these instructions carefully and observe the safety notes and installation specifications in these specifications.
- The contents of these instructions can be altered without warning.
- Where there are translations into foreign languages, the English version of these instructions is binding.

Trademarks:

- FLZN is a registered trademark of Nassetti.
- All other trademarks mentioned in these instructions are the sole property of the manufacturers concerned.

1.1 Explanation of Symbols

Symbols are used to alert you on possible operational or installation faults or give you useful tips on how to use the equipment.

IMPORTANT!

The safety symbol alerts you on critical safety information and information necessary to obtain approval.

NOTE!

The note symbol gives you tips and useful information.

2. Safety Instructions

2.1. Positioning Requirements

- The methods described for the fixation, gas and electrical supply are general recommendations complying with standards and their implementation is to be planned and designed for each individual case by qualified experts.
- The filtering chain is not suitable for use in potentially explosive areas.
- An ambient temperature of +5°C and +40°C must be maintained during operation.
- The relative humidity must not exceed 75%.

2.2. Intended Use

- The filtering chains are equipped with special equipment; they are for below given purposes according to type and versions:
    - Filtering chains are used in central medical gas systems compressed air stations with compressor type before and after the air dryers to obtain breathable air.

2.3. Instructions For Installation and Operation

Installation, testing and operation of the filtering chains must be carried out in accordance with EN 60601-1, EN 737-3 and in accordance with the manufacturer's instructions.

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3. Site Preparation

The site preparation should be done according to the final version of medical gas system design drawings approved by the end user. Central medical gas system network pipes and 220V electrical installations required for automatic time controlled water discharge valve alarm should be laid up to the points as shown on these drawings.

4. Modes Of Fixation

Filtering chains are surface mounted.

The fixation is done by using the types of anchors and screws suitable for the type of wall structure (concrete, hollow brick wall, etc.). If required appropriate side support should be supplied by the authorized application staff.

No fixing materials, such as anchors, screws, threaded rods, etc., are provided by Nassetti, as the types are dependent on the actual structure of the construction onto which the filtering chains will be mounted.

5. Installation of Units

Each unit is delivered individually packed with care, in order to prevent any scratching or denting on the filtering chains or bending of medical gas pipes during transport.

Please store the filtering chains in a clean, dry area, and do not remove packing until the unit is carried to the area where it will be installed. Avoid stacking units on top of each other if unpacked.

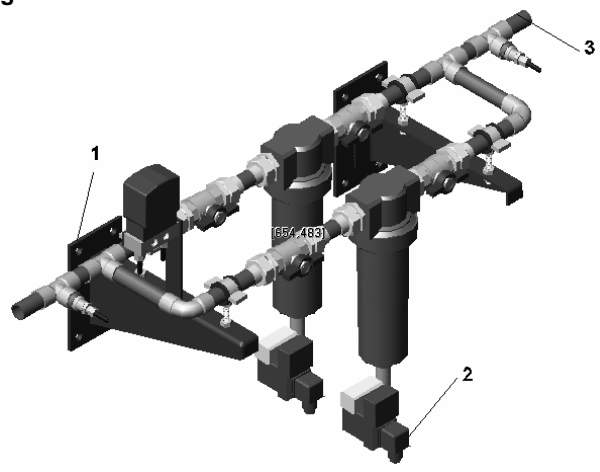
The unit is basically composed of one or more special quality filters combined together with special fitting materials according to required air quality and capacity at the operation location.

The units are equipped with a differential pressure manometer with color section to provide the continuous monitoring of the filter status and input and output valves to be used for allocating main and reserve units.

To provide breathable air quality at the filters downstream of the dryer, stainless steel housed sterile filters are used as the final element. Filter cartridges can be sterilized at 142°C.

The filter chains should be installed high enough allowing easy reading for differential pressure manometer.

Fig 1:



Process:

- Place the filter chain on the determined place on the wall by mounting parts (1) and fix by fixation units.
- Provide connection of the unit to the central medical gas system by using related input and output pipes (3); complete welding.
- Perform the tests according to EN 737-3 standard.

Central medical gas copper pipe installation and filtering chains installation's testing and operation should be done according to EN 737-3 standard and manufacturer's instructions. Check the correctness of the connection of the copper pipes to feeding line. The staff in charge of the central medical gas system should make a test to control the gas type.

6. Electrical Installations

On site electrical installation of the filter chains is just to be the connection of previously installed 220V AC cables to automatic time controlled water discharge unit terminal (2).

Electrical installations should be in compliance with ruling national legislations.

Installation cables should be laid taking the length that will be necessary to the connection point in the unit.

Only an authorized electrical technician can perform electrical connections of the filtering chains. Multi-core connections must be provided with end sleeves for the strands.

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